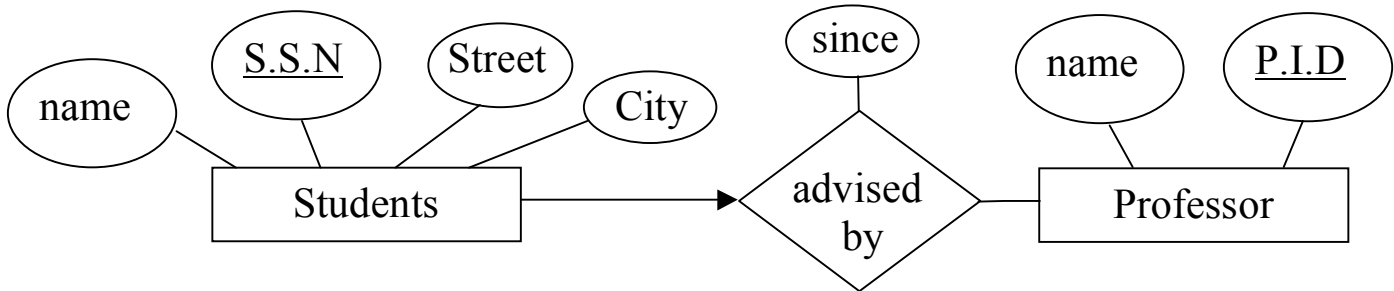


# INFS 614 – Quiz #1

Name: \_\_\_\_\_ G#: \_\_\_\_\_



For the ER diagram above, answer the following question:

1. (2 pts) What is the primary key for the Students entity set?

**SSN**

2. (2 pts) What is the descriptive attribute for the “advised by” relationship set?

**since**

3. (2 pts) The arrow pointing from “Students” to “advised by” implies which key constraint?

**Many-to-one**

4. (2 pts) What does the above mean, in terms of students/advised-by/professors?

**Each student can be advised by only one professor.**

5. (2 pts) If the line from “Professors” to “advised by” is bolded, what additional requirement does it add to the design of this database, in terms of students/advised-by/professors?

**Each professor must advise some student (total participation).**